

NOV 21 2005

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	1	of	2	Complete if Known
				Application Number 10/808,410
				Filing Date March 25, 2004
				First Named Inventor Christian VISKOV
				Art Unit 1623
				Examiner Name Unassigned
				Attorney Docket Number 03806.0586

## U.S. PATENTS AND PUBLISHED U.S. PATENT APPLICATIONS

Examiner Initials	Cite No. <sup>1</sup>	Document Number	Issue or Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
/KM/		US-2002/0055621 A1	05/09/2002	Diaz et al.	
/KM/		US-2004/0265943 A1	12/30/2004	Viskov et al.	
/KM/		US-2005/0119477 A1	06/02/2005	Mourier et al.	

Note: Submission of copies of U.S. Patents and published U.S. Patent Applications is not required.

## FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
/KM/		WO 01/29055 A2	04/26/2001	Aventis Pharma S.A.		Abstract
/KM/		WO 01/72762 A1	10/04/2001	Aventis Pharma S.A.		Abstract

## NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Translation <sup>3</sup>
/KM/		Abdel-Malik, M. et al., "Nuclear Magnetic Resonance Spectra of Some 2,3-AN-Hydropyranose Derivatives," <i>Carbohydrate Research</i> , Vol. 159, pp. 11-23 (1987).	
/KM/		Desai, U. R. et al., "Substrate Specificity of the Heparin Lyases from <i>Flavobacterium heparinum</i> ," <i>Archives of Biochemistry and Biophysics</i> , Vol. 306, No. 2, pp. 461-468 (1993).	
/KM/		Desai, U. R. et al., "Structure Elucidation of a Novel Acidic Tetrasaccharide and Hexasaccharide Derived from a Chemically Modified Heparin," <i>Carbohydrate Research</i> , Vol. 241, pp. 249-259 (1993).	
/KM/		Ernst, S. et al., "Enzymatic Degradation of Glycosaminoglycans," <i>Critical Reviews in Biochemistry and Molecular Biology</i> , Vol. 30, No. 5, pp. 387-444 (1995).	
/KM/		Guerrini, Marco et al., "A Novel Computational Approach to Integrate NMR Spectroscopy and Capillary Electrophoresis for Structure Assignment of Heparin and Heparin Sulfate Oligosaccharides," <i>Glycobiology</i> , Vol. 12, No. 11, pp. 713-719 (2002).	
/KM/		Huber, L., "Optimization of Diode Array Detection for Sensitivity, Selectivity, Wavelength Resolution, and Linearity," <i>Chromatographic Science Series</i> , Vol. 62, pp. 363-392 (1993).	
/KM/		Ito, K., et al., "Ion Chromatography of Inorganic Iodine Species Using C <sub>18</sub> Reversed-Phase Columns Coated with Cetyltrimethylammonium," <i>Journal of Chromatography</i> , Vol. 549, pp. 265-272 (1991).	
/KM/		Ito, K. et al., "Anion Chromatography Using Octadecylsilane Reversed-Phase Columns Coated with Cetyltrimethylammonium and Its Application to Nitrite and Nitrate in Seawater," <i>Anal. Chem.</i> , Vol. 63, pp. 273-276 (1991).	
/KM/		Ito, K. et al., "Determination of Inorganic Anions in Salt Solutions by Ion Chromatography Using C <sub>18</sub> Reversed-Phase Columns Coated with Cetyltrimethylammonium," <i>Journal of Chromatography</i> , Vol. 598, pp. 237-241 (1992).	
/KM/		Jasea, M. et al., "Novel Regio-and Stereoselective Modifications of Heparin in Alkaline solution. Nuclear Magnetic Resonance Spectroscopic Evidence," <i>Canadian Journal of Chemistry</i> , Vol. 67, No. 9, pp. 1449-1456 (1989).	
/KM/		Karamanos, N. K. et al., "Ion-pair High-Performance Liquid Chromatography for Determining Disaccharide Composition in Heparin and Heparin Sulphate," <i>Journal of Chromatography A</i> , Vol. 765, pp. 169-179 (1997).	
/KM/		Kariya, Y. et al., "Disaccharide Analysis of Heparin and Heparan Sulfate Using Deaminative Cleavage with Nitrous Acid and Subsequent Labeling with Paraniitrophenyl Hydrazine," <i>J. Biochem.</i> , Vol. 123, pp. 240-246 (1998).	
/KM/		Kusche, M. et al., "Biosynthesis of Heparin: Availability of Glucosaminyl 3-O-Sulfation Sites," <i>The Journal of Biological Chemistry</i> , Vol. 265, No. 13, pp. 7292-7300 (1990).	
/KM/		Linhardt, R. J. et al., "Production and Chemical Processing of Low Molecular Weight Heparins," <i>Seminars in</i>	

**NON PATENT LITERATURE DOCUMENTS**

/KM/	<i>Thrombosis and Hemostasis</i> , Vol. 25, Supp. 3, pp. 5-16 (1999).	
/KM/	Lindhardt, R. J. et al., "Analysis of the Structure of Heparin and Heparan Sulfate by High-Resolution Separation of Oligosaccharides," in <i>BioMethods</i> , Vol. 9, "A Laboratory Guide to Glycoconjugate Analysis," pp. 183-197 (1997).	
/KM/	Mochizuki, H. et al., "Characterization of a Heparan Sulfate 3-O-Sulfotransferase-5, an Enzyme Synthesizing a Tetrasulfated Disaccharide," <i>The Journal of Biological Chemistry</i> , Vol. 278, No. 29, pp. 26780-26787 (2003).	
/KM/	Moffat, C. F. et al., "Heparinase II from <i>Flavobacterium Heparinum</i> : Action on Chemically Modified Heparins," <i>Eur. J. Biochem.</i> , Vol. 197, pp. 449-459 (1991).	
/KM/	Piani, S. et al., "Alkali-Induced Optical Rotation Changes in Heparins and Heparan Sulfates, and Their Relation to Iduronic Acid-Containing Sequences, <i>J. Carbohydrate Chemistry</i> , Vol. 12, Nos. 4&5, pp. 507-521 (1993).	
/KM/	Raman, R. et al., "The Heparin/Heparan sulfate 2-O-Sulfatase from <i>Flavobacterium heparinum</i> , <i>The Journal of Biological Chemistry</i> , Vol. 278, No. 14, pp. 12167-12174 (2003).	
/KM/	Rej, R. N. et al., "Base-Catalyzed Conversion of the $\alpha$ -L-Iduronic Acid 2-Sulfate Unit of Heparin into a Unit of $\alpha$ -L-galacturonic Acid, and Related Reactions," <i>Carbohydrate Research</i> , Vol. 200, pp. 437-447 (1990).	
/KM/	Rhomberg, A. J. et al., "Mass Spectrometric and Capillary Electrophoretic Investigation of the Enzymatic Degradation of Heparin-Like Glycosaminoglycans," <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 95, pp. 4176-4181 (1998).	
/KM/	Sakaguchi, H. et al., "Isolation of Reducing Oligosaccharide Chains From the Chondroitin/Dermatan Sulfate-Protein Linkage Region and Preparation of Analytical Probes by Fluorescent Labeling with 2-Aminobenzamide, <i>J. Biochem.</i> , Vol. 129, pp. 107-118 (2001).	
/KM/	Sturiale, L. et al., "MALDI Mass Spectrometry as a Tool for Characterizing Glycosaminoglycan Oligosaccharides and Their Interaction with Proteins," <i>Seminars in Thrombosis and Hemostasis</i> , Vol. 27, No. 5, pp. 465-472 (2001).	
/KM/	Sugahara, K. et al., "Structure Determination of the Octa- and Decasaccharide Sequences Isolated from the Carbohydrate-Protein Linkage Region of Porcine Intestinal Heparin," <i>J. Biol. Chemistry</i> , Vol. 270, No. 39, pp. 22914-22923 (1995).	
/KM/	Sugahara, K. et al., "A Novel Sulfated Structure in the carbohydrate-Protein Linkage Region Isolated from Porcine Intestinal Heparin," <i>The Journal of Biological Chemistry</i> , Vol. 267, No. 3, pp. 1528-1533 (1992).	
/KM/	Thanawiroon, C. et al., "Separation of a Complex Mixture of Heparin-Derived Oligosaccharides Using Reversed-Phase High-Performance Liquid chromatography," <i>Journal of Chromatography A</i> , Vol. 1014, pp. 215-223 (2003).	
/KM/	Toida, T. et al., "C-2 Epimerization of <i>N</i> -Acetylglucosamine in an Oligosaccharide Derived from Heparin Sulfate," <i>J. Carbohydrate Chemistry</i> , Vol. 15, No. 3, pp. 351-360 (1996).	
/KM/	Venkataraman, G. et al., "Sequencing Complex Polysaccharides," <i>Science</i> , Vol. 286, pp. 537-542 (1999).	
/KM/	Yamada, s. et al., "Structural Studies on the Bacterial Lyase-Resistant Tetrasaccharides Derived from the Antithrombin III-Binding Site of Porcine Intestinal Heparin," <i>The Journal of Biological Chemistry</i> , Vol. 268, No. 7, pp. 4780-4787 (1993).	
/KM/	Yamada, s. et al., "Isolation of the Porcine Heparin Tetrasaccharides with Glucuronate 2-O-Sulfate," <i>The Journal of Biological Chemistry</i> , Vol. 270, No. 15, pp. 8698-8705 (1995).	

Examiner Signature	/Keri Moss/	Date Considered	06/25/2007
--------------------	-------------	-----------------	------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.